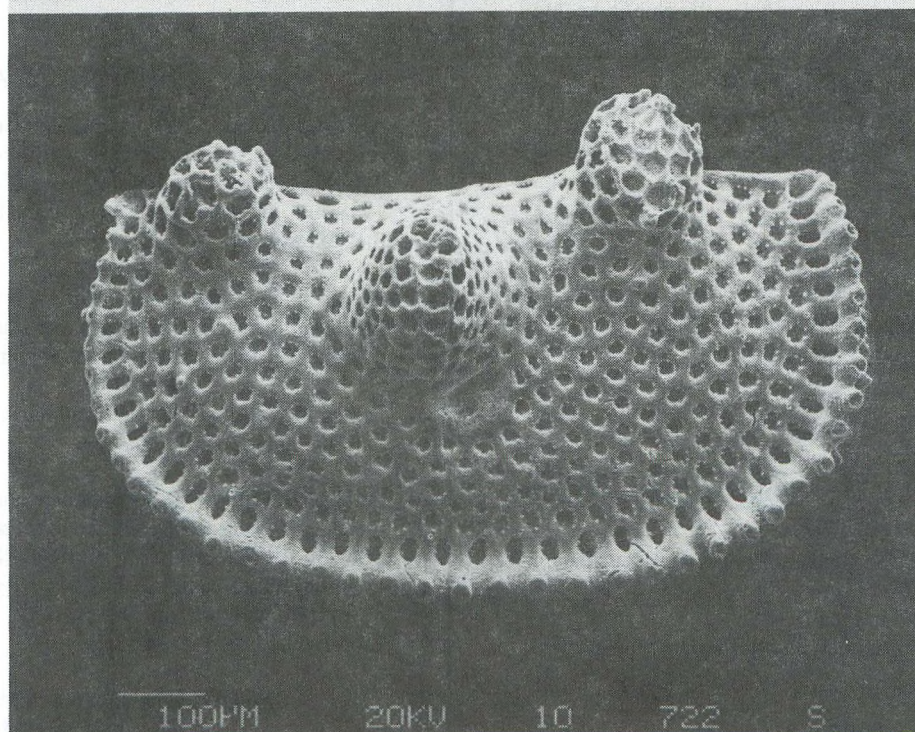
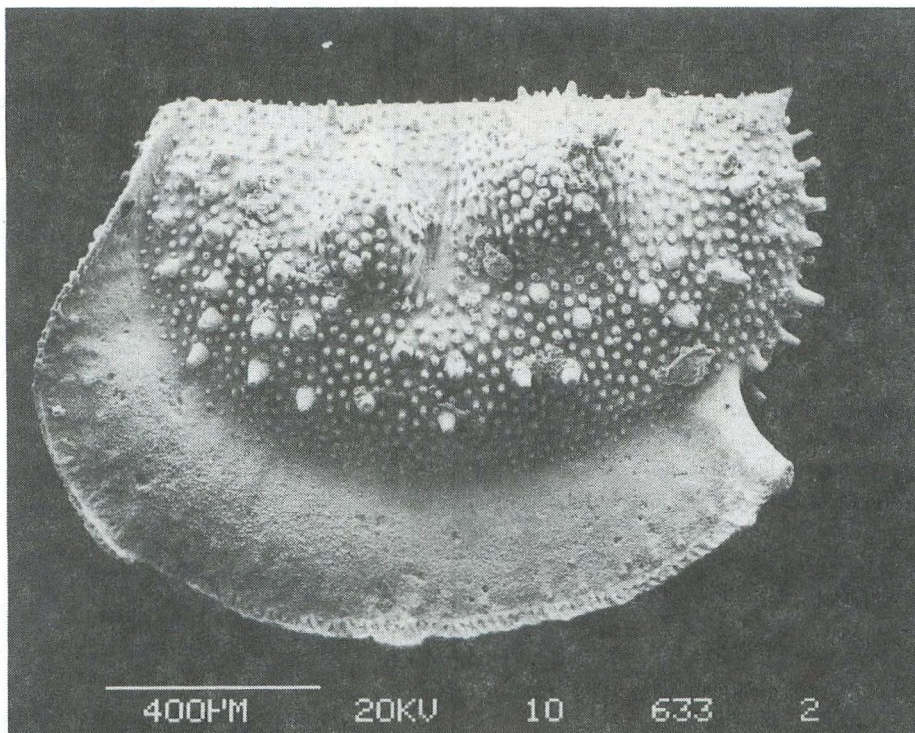


M.A.P.S. *Digest*

Official Publication of
Mid-America Paleontology Society

Volume 21, Number 5
May-June 1998



MARK YOUR CALENDARS

Jul 12 MAPS FIELD TRIP, PICNIC & MEETING

Doug & Connie DeRosear's, Donnellson, IA; 319-835-5521

Meet at Doug & Connie's before 10:00. Leave at 10:00 for field trip to Barb Creek to collect crinoids (calyxes). Tools: hammer and chisel. Return to DeRosears for pot luck at 1:00, followed by meeting.

Sep 19-20 FALLS FOSSIL FESTIVAL

Hosted by the Falls of the Ohio State Park

Sat: 9:00 am - 7:00 pm.

Keynote Presentation: Tracking Dinosaurs, Dr. James Farlow, Indiana University - Purdue University at Fort Wayne.

Sun: 9:00 am - 5:00 pm.

Keynote Presentation: History of Mollusks - Dr. John Pojeta, Smithsonian Institution.

Features Guided hikes on the fossil beds, Workshops on Indiana & Kentucky geology (pre-reg. req.), Mineral and fossil identification, Fossil collecting piles, Field Trips (arranged), Exhibits.

Speakers on common fossils of IN & KY, Calcite of IN, Fossils of the Coal Age, Fossil Collecting Tips, Mineral Collecting Tips, The Low-down on High-Temperature Dinosaurs, The History of Crinoids.

Outdoor activities are free. Regular admission applies for Interpretive Center.

Contact: Alan Goldstein, falls3@aye.net or (812) 280-9970 ext. 403. Or Mary Bedan, Clarksville Riverfront Foundation, P.O. Box 741, Jeffersonville, IN 47131-0741, (812) 283-4999

Web Site: <http://www.cismall.com/fallsoftheohio/index.html>

Oct 3-4 "BVFS FLORIDA FOSSIL FAIR

**Sponsored by the Bone Valley Fossil Society, Inc.
Lake Mirror Center, 800 E. Main St., Lakeland, FL**

Sat: 9 a.m. - 5 p.m.

Sun: 9 a.m. - 4 p.m.

Contact: Ed Metrin
162 Broadmoor Avenue
Lake Mary, FL 32746-3914
407-321-7462
Miocene@earthlink.net

Oct 23-25 FOSSILMANIA XVI, SPONSORED BY AUSTIN AND DALLAS PALEO SOCIETIES

Somervell County Expo Center, Hwy 67 in Glen Rose, TX

Fri: 9 a.m. - 6 p.m.

Sat: 9 a.m. - 6 p.m. (Auction and Raffle Drawing at night)

Sun: 9 a.m. - 2 p.m.

Contact: Ken Smith 217-327-9281

Nov 7-8 FLORIDA FOSSIL HUNTERS 7TH ANNUAL FLORIDA FOSSIL, MINERAL AND GEM FAIR.

National Guard Armory, 2809 S. Ferncreek Ave., Orlando, FL

Sat: 9 a.m. - 6 p.m.

Sun: 9 a.m. - 5 p.m.

Contact: Terry R. Angell, 226 Palmyra Dr., Orlando, FL 32807
407-277-8978; em: FOSSILFAIR@aol.com

Nov 18-20 SECOND CONFERENCE ON PARTNERSHIP OPPORTUNITIES FOR FEDERALLY-ASSOCIATED COLLECTIONS

Contact: Sally Shelton, Director, Collections Care
San Diego Natural History Museum
P.O. Box 1390
San Diego, CA 92112
619-232-3821, x226; fx 619-232-0248
email: sshelton@sdnhm.org

Dec 4-6 ROUND ROCK, TEXAS, 8TH ANNUAL "FOSSIL FEST"

Sponsored by the Central Texas Paleo Society

Old Settlers Park Exhibit Hall, Hwy 79, 3.3 miles east of IH35

For more information, call (512) 864-0334

98/06 DUES ARE DUE

Are your dues due? You can tell by checking your mailing label. It reflects dues received by the 3rd of June. The top line gives the expiration date in the form of year followed by month—98/04 means 1998/Jun. Dues cover the issue of the Digest for the month in which they expire.

We do not send notices but will let you know if you are overdue by highlighting your mailing label and stamping your Digest. We carry overdues for two months before dropping them from our mailing list.

Please include your due date and name exactly as it appears on your mailing label—or include a label.

Dues are \$20 per U.S./Canadian household per year. Overseas members may choose the \$20 fee to receive the Digest by surface mail or a \$30 fee to receive it by air mail. (Please send a check drawn on a United States bank in US funds; US currency; a money order; or a check drawn on an International bank in your currency.) Library/Institution fee is \$25.

Make checks payable to MAPS and mail to:
Sharon Sonnleitner, Treas.
4800 Sunset Dr. SW
Cedar Rapids, IA 52404

EXPO XXI—MICROFOSSILS

EXPO XXI—Microfossils, is scheduled for April 16-18, 1999. Jere Lipps, Immediate Past President of the Paleontology Society, will be the keynote speaker.

If you can contribute an article or know of someone who can, please contact Maggie Kahrs, 9145W US Hwy 50 East, Seymour, IN 47274. Ph. 812-522-6093. She is the editor of the *EXPO Digest*.

ABOUT THE COVER

This month's cover photos were sent by F. Rudolf Turner. They are scanning electron micrographs (SEMs) of Mississippian ostracods from south central Indiana. The size is indicated by the scale at the bottom of the photographs.

MAPS VIDEOS AVAILABLE

These tapes are amateur productions! They don't have the "polish" of professionally produced productions; however, they do cover a broad range of paleontology. The following tapes, made by Gil Norris, come with accompanying study guide:

- I. Arthropods (Crustaceans and Trilobites)
Mollusks (Cephalopods) and other classes.
The fossil story and Wyoming stone fish.
- II. Echinoids and some other echinoderms.
Crinoids
Brachiopods, Bryozoans and Sponges.

The following tape was made by Bruce Stinchcomb:

III. A Geologic Tour of Route 66-1950

A 2,000 mile journey on famous US Route 66 as it was in 1950. Emphasis is on geology and paleontology, with human interest. Famous paleontological areas such as the Braidwood fossil occurrence, Ozark fossils, Springfield Missouri crinoids, Permian and Triassic redbeds and strata of the Grand Canyon, Pelistocene extrusives and fossils, Barstow California Miocene "bugs" and Kettleman Hills Miocene fossils are featured.

Also on the tape are shorts on the geologic time scale,

SEDIMENTARY NOTES

Our condolences to **Glori L'Ecuyer** on the death of her husband, **Jim**, who passed away in February, 1997.

CLARIFICATION OF DISCUSSION OF CLOSURE OF SPEED QUARRY

by Alan Goldstein, Louisville, KY

I was not referring to Mr. Charles Oldham with regards to the closure of the Essroc Quarry in Speed, Indiana. I had heard that the policy change was a management decision. Collectors using gas powered saws do not promote good relations unless equipment is used with the approval of management on any private property. I wish Charles Oldham had talked to me before making a public statement at the MAPS EXPO meeting and recommend that all collectors exercise care and good judgment before accusing someone with knowing the facts.

Coosa River Cambrian, Dominican Republic amber fossils, Labrador archeocyathids, St. Croix River Precambrian and Cambrian, plus addendum to study videos by Gil Norris.

Specify which tape you want: No. I, II, or III.
Each tape approx. 100 min. in length--\$12/tape
Allow at least two weeks for delivery.
Make check payable to MAPS

Send check and request to:

Dr. Bruce L. Stinchcomb
18 Patricia
Ferguson, MO 63135

Include: Name _____
Address _____
City, State, and zip _____

NEXT DIGEST

will be the Jul-Aug-Sep issue.

It will go out around the first of September.

FOSSILS AND THE WORLD WIDE WEB

by Alan Goldstein, Naturalist

Falls of the Ohio State Park

P.O. Box 1327, Jeffersonville, IN 47131-1327; em: falls3@aye.net

The world wide web offers a fair amount of material for folks interested in fossils. A word to the wise—don't type "fossil" in a search engine and expect to discover everything on the web—unless you have a few days to spend in front of your computer. My 1st check on Netscape was nearly 43,000 entries that have "fossil" in their text!

One of the more frustrating aspects is the so-called "site construction." Many sites continue to change, update or improve their offerings. A site in preparation is set to be "under construction." Sometimes you stumble onto a page that is blank or with an error message. I think that a site should not be linked with the home page (main URL or "web address") until it is ready to go. (By the way, URL stands for Uniform Resource Locator.) Many sites put the proverbial "cart before the horse," setting up links to nowhere—future pages!

It is important to get the correct URL. Computers are unforgiving when it comes to errors. If you misspell or transpose letters or numbers, you will get a 404 error message (also if you put a "," instead of a "." or a "/"). If you get an error message "server does not have a DNS entry," that means the server name is incorrect (such as *sismall.com* instead of *cismall.com*).

The purpose of this article is to help you avoid getting "tangled in the web." It can be overwhelming—it was for me! To make it manageable, this information and associated sites will be described in the following categories:

- Museums & Parks
- Organizations, Universities and Government Agencies
- Periodicals
- Personal Web Sites
- Commercial Web Site ("Rock Shops")
- Chat rooms

What do *you* want from a web site? To me the most

important aspect is a quick transfer time. A high speed modem is essential. Many people like animation (opening doors, scrolling text, etc.) and lots of photographs. Photographs, unless low resolution, can take a long time to transfer. The Hooper Museum in Ontario I have yet to explore because the graphics take 15-25 minutes *per page* to transfer—and that is with a 33.6 modem! I don't have two hours to spend visiting a virtual museum, no matter how interesting it may be. I find scrolling text to be harder to read than fixed text.

Is there a "perfect" web site? No. Some don't go as far as I wish they did. Others cram so much stuff that they are too slow to quickly review and decide if you want to spend more time looking at the site. Remember, the web is a new concept for most people creating and using the sites. I expect that in a few years, the current web sites will be considered as archaic as the Model T automobile.

Sites are being added to the web on a daily basis. This article will not include the latest listings by the time it is published, but the information contained herein will remain valid (unless the web URL is moved or deleted)!

With one or two exceptions, web sites described below have been visited by the writer. This is not meant to be a web site "review," but rather, to help you decide which sites are worth exploring. Unless noted otherwise, assume the URL begins with <http://www>. For instance, the Falls of the Ohio web site is <http://www.cismall.com/fallsoftheohio/index.html>, but will be listed as <http://www.cismall.com/fallsoftheohio/index.html> for brevity. Exceptions will be written out in their entirety. Every effort will be made to avoid typographical errors.

Museums & Parks

Most museums and many parks are getting on-line. Museums, for the most part, do a better job. They usually have a more aggressive marketing posture.

These sites may have virtual exhibits, calendars of events, collections information, a staff directory and other things. As mentioned, some museum sites are so crammed with pictures and other graphics they are very slow downloading. These are best seen late in the evening or when you have a lot of time on your hands.

Many museums that feature paleontology exhibits do not stress them on their web sites and are not listed below (i.e. American Museum of Natural History, Museum of Western Australia, etc.).

Falls of the Ohio State Park—I'll start with this one because I helped design it. It contains information about the state park, geological history, classroom activities for teachers, a photo album, six fossil brochures, and more.

<cismall.com/fallsoftheohio/index.html>

Dinosaur Provincial Park—I have a hard time logging onto this site—a “broken pipe” message, whatever that is! Good luck!

Gov.ab.ca/~env/nrs/dinosaur/index.html>

Dinosaur Valley Museum—the Museum of Western Colorado—Relating to dinosaurs and the Green River Formation, featuring photos, exhibits, dinosaur trail info, expeditions, their laboratory, guide to dinosaurs, etc. <mwc.mus.co.us/dinosaurs/>

Earth Sciences Museum, University of Waterloo—features sites relating to dinosaurs, the Burgess Shale and Hungry Hollow faunas, museum information and activities, etc.

<science.uwaterloo.ca/earth/museum/museum.html>

Field Museum of Natural History—*Life Over Time* exhibit features animation, games, teacher activities, and more. <fmnh.org/exhibits/exhibits.htm>

Florida Museum of Natural History—features fossil exhibits, especially strong on vertebrates. I have not had the chance to explore this site.

<flmnh.ufl.edu/>

Illinois State Museum—has a nicestie on the Mazon Creek fauna. It can be accessed through

<musuem.state.il.us/exhibits/mazon_creek/>

Mammoth Site at Hot Springs, South Dakota—This facility preserves a sinkhole mass-kill site. Includes information about the discovery and development of the Mammoth Site.

<mammothsite.com/>

Milwaukee Public Museum—*Virtual Silurian Reef* exhibit shows a diorama of life in a recreated Silurian coral reef. There is a lot of information of Silurian reef development in the Wisconsin-Illinois-Indiana area. <mpm.edu/reef/intro.html>

New Mexico Museum of Natural History “Dinosaurs in New Mexico” Site—contains a lot of information about New Mexico dinosaurs. It also contains recent news, their *Fossilworks* exhibit, and the New Mexico Friends of Paleontology group.

<nmmnh-abq.mus.nm.us/nmmnh/dinosinnm.html>

Royal Tyrrell Museum of Paleontology—has visitor info, educational programs, “explorer” programs, dino digging info, museum on-line, news, etc.

<http://tyrrell.magtech.ab.ca/home.html>

Smithsonian Institution Department of Paleobiology—has a shark tooth key, top 10 misconceptions about dinosaurs, collections database, “amber” and “Blast from the Past” exhibits, and lots of other links.

<nsmnh.si.edu/paleo/paleo.html>

University of California (at Berkeley) Museum of Paleontology—has several on-line exhibits “paleontology without walls, educator/outreach material, catalogs and collections-related material, and more. <ucmp.berkeley.edu/index.html>

Organizations, Universities and Government Agencies

There are a variety of web sites in the category. These include state geological surveys, non-profit organizations, rock and mineral clubs, and special categories like Dinofest International.

American Geological Institute—offers links to many other sites, particularly governmental. Nothing specifically related fossils, but links to USGS, etc., may be useful. <http://jei.umd.edu/agi/agi/html>

BioQUEST Crinoid Education Project—Its theme, “How does a paleontologist reconstruct living conditions of fossil crinoids?” Focuses on the crinoids from Legrand, Iowa. (Site is related to Beloit College’s crinoid collection and the University of Massachusetts.)

<http://brcr.bio.umass.edu/crinoid/>

Cincinnati Dry Dredgers—offers an excellent web site for identifying trilobites, scolecodonts, and other fossils. There are lots of links, their newsletter, and more. <uc.edu/~handgl/dredgers.htm>

Dinofest International—Held every other year, Dinofest International is the largest gathering of dinosaur experts in the world. This site provides information on the next Dinofest and background information on those that have occurred. It includes activities for children, teachers, news, and links to other dinosaur web pages.

<dinofest.org/hub.html>

Dinosaur Society—contains information about art and artists, publications and articles, digs, pen pals, dinosaur vacations, etc. <dinosociety.org>

Geological Society of America—features general geology info, including officers, publications, memberships, meetings, etc. Paleontology-related publications may be of the greatest interest.

<geosociety.org/index.htm>

Illinois Geological Survey (dinosaur & vertebrate paleontology web site)—has an enormous number of dinosaur-related links, perhaps the most comprehensive on the web. Called Russ's Dino Lair, it features dino art, information about digs, eggs, exhibits, locations and sites to visit, meetings, organizations, publications—all sorts of dinosaur stuff.

<<http://denrl.igis.uiuc.edu/igsroot/dinos/vertpaleo.html>>

Kentucky Geological Survey—*Fossils of Kentucky* comprehensively covers the paleontology of the commonwealth. You can search by geological period or by the type of fossil. Includes related news, finding fossils in Kentucky, and more. There is a really nice picture of a *Pterotocrinus* calyx, too! <uky.edu/KGS/coal/webfossil/fossilbig.htm>

Mohawk Valley Fossils—focuses on the Middle to Upper Ordovician fossils in New York's Mohawk Valley. A lot of graphics are used to reveal interpretations of paleo-geography during this period. Included are: currents, tectonics, taxa, depths, and the relation to New York and world paleo-geography.

<<http://zircon.geology.union.edu/Gilner/stack.html>>

The Palaeontological Association—is the UK version of the Paleontological Society (below). Site contains newsletters, abstracts, publications, etc.

<ucmp.berkeley.edu/Paleonet/PalAss/PalAss.html>

The Paleontological Institution—is the home for the famous *Treatise on Invertebrate Paleontology* and some additional information.

<<http://ukanaix.cc.unkans.edu/~paleo/>>

The Paleontological Research Institution—has a nice tour of their collection in "virtual drawers." Features publications and products, events, virtual field trips (mostly under construction when I last visited) and a bulletin board.

<englib.cornell.edu/pri/pril.html>

The Paleontological Society—describes the Society and its function, including activities, awards, meetings & symposia, publications and more. There are many links to other paleontological-oriented web sites. <uic.edu/orgs/paleo/homepage.html>

University of Newcastle(Australia)—describes and pictures several common tabulate and rugose corals and reviews coral morphology.

<newcastle.edu.au/departement/gl/corals/corals.htm>

Periodicals

Earth Magazine frequently covers some paleontology-related topics. They had a bulletin board for comments about the collecting on public lands controversy. I added my two cents worth. By the time I checked the site again, apparently it had been discontinued, because the link lead to an error message. <Kalmbach.com/earth/earthmag.html>

(The latest news is that Earth Magazine is ceasing publication because the publishers does not consider it profitable—Editor.)

Fossil News is an interesting small journal for amateur paleontologists published by Joe Small in Washington state. Includes information about the current issue, "In the literature" and trades. (It is not updated regularly.) <fossilnews.com/>

Personal Web Sites

Personal web pages are becoming more and more popular. It is a reflection of the interests of the site developer. There are many, many personal web sites. I only list a pitiful few that I have explored and remembered to jot down some notes on. My apologies

for anyone reading this whose personal fossil web site is not listed. (Send e-mail to falls3@aye.net with URL and I'll check it out!)

Arizona Paleontology—Provides an excellent review of the fossils of Arizona, with pictures of fossils from all geological periods represented in the state. Illustrates geological scenery for each major formation and provides an overview of the state's stratigraphy.

<psiaz.com/Schur/azpaleo/paleo.html>

Bob's Rock Shop—Not really a rock shop in the strict sense, but it contains a variety of geology-related areas. More minerals than fossils, but it has a free classified ads section.

<rockhounds.com/rockshop/table.html>

Chris Saitti's Fossil Gallery—focuses on Middle Devonian (Columbus, OH) and Upper Ordovician (Caesars Creek Reservoir) fossils. I found the homepage to be slow to download, but it is a worthwhile site.

<http://home.sprynet.com:80/sprynet/saitti>

Kevin's Page of Death—is an odd name, but a great web site if you are interested in trilobites! It includes photographs, abstracts from recent symposia, lists of trilobite collectors, classification of trilobites, lots of links and more.

<ualberta.ca/~kbrett/Trilobites.html>

Matt Fraser's PaleoPage—covers information about park paleontology (Vince Santucci's page), info on a newsletter he puts out, paleoart, forum, chatroom, links, etc. He also set up the PaleoRing (described below). <pitt.edu/~mattf/PaleoPage.html>

Paleontology of the Netherlands—(is another site that is slow to download, and sometimes is not accessible with the server, but if you can get to it, there is a lot to see. Choices include digging fossils in Europe, free trade classifieds, natural history museums, rock shops, literature (generally in Dutch), and more.

<xts4all.nl/~the beal/PALEONTOLOGY/pal_g00a.htm> (that's 2 zeros.)

Pennsylvanian Plants—Monte Hieb's excellent web site illustrates many types of plant fossils found in the Pennsylvanian strata of West Virginia, but applies to Kentucky, Ohio, Pennsylvania, etc. I recommend starting at

<clearlight.com/~mhieb/wvfossils/TableofCont.html>

Prem's Fossil Gallery—features information about graptolites and fossil plants.

<http://dev.uol.com/~prem/fossil.html>

Rockhound Information—allows you to contact other rockhounds. I find it of limited value, but list it because some people like the opportunity to contact lots of rockhounds at the same time. One frustrating aspect is a lot of people don't direct their comments to the person asking the question; they direct it to *everyone*! This makes for a *lot* of junk e-mail! The links page had not been updated in nine months!

Rahul.net/infodyn/rockhounds/rockhounds.html>

Commercial Web Site ("Rock Shops")

The idea behind the web shops is a great one. See the specimens you want to purchase on your computer. This is cheaper than going to a show or visiting a rock shop on the other side of the continent (or ocean). It will never replace the *real* rock shop where you can use a critical eye to verify that the specimen has not been faked or touched up.

The Paleo Ring is a group of over 100 paleontology and geology sites that includes some rock shops that are linked. A variety of sites are included, both non-profit and commercial.

Kevin Brett's trilobite site links-page lists a lot of fossil commercial web sites (so does Bob's Rock Shop).

Chat Rooms

I don't have time to spend on chat rooms, which essentially allow for "real time" keyboard conversation. If anyone has something to report, please send it to the editor of the *Digest*.

Conclusion

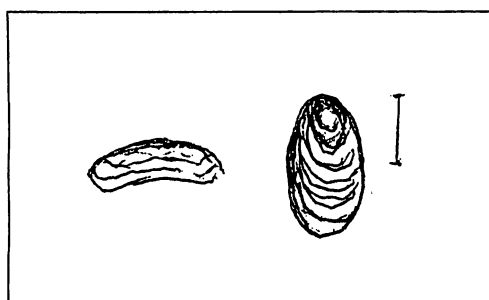
Remember, web sites come and go. Many change their URL (address) when they switch servers. The more links a site has, the less likely it is for them to check .

their links to see if they are valid. They appreciate being notified if a web site link is no longer functioning properly! Contact the site "webmaster," the person who can delete or modify links as necessary. Some web sites are not updated, which reflects poorly on the site's webmaster.

I would like to thank Troy McCormick for providing information about error messages and setting up the Falls of the Ohio State Park's web page

WHEN SLUGS HAD SHELLS

by Ruth A. Kirkby



When you think of a collector, you may think of fossils, cups, buttons or stamps, but, whoever thought about collecting slugs? Those soft, slimy creatures taht huddle under damp places where plants are decomposing.

However, if you were able to walk along a freshwater lake during the Miocene epoch of geologic time, you may have found some of the small sized slugs under the damp areas where plants would provide a substantial diet. You would be amazed to find that these small creatures were carrying shells of heavy thickness. These slugs are called *Craterarion pachyostracon*. The genus name is from the Greek *crater*, a basin, and *Arion*, the type genus for the family; so named because it is found in the Great basin). The species name is derived from the Greek for *pachy*, thick, and *ostracon*, shell.

When you find one of these fat little slugs with the thick shell, the name is really significant. The average length

from 7 to 8 mm long and 4 to 5 mm wide gives you some idea of what you should be looking for. The thickness of the shell averages 2 to 3½ mm. So you must look carefully. Up until 1955 there was only one place that these slugs had been found, but there is the potential for finding them in other freshwater deposits, which makes the looking for something rare a challenge for a fossil collector.

The one site where they have been found is in the "Lake Bed Horizon" in the Barstow formation in the canyon next south of the Pirie Canyon. This is, I believe, currently in the rainbow basin of a protected area. But the possibility for finding this type of slug is not known from the many freshwater deposits in Nevada, Idaho and Oregon and does warrant searching for these rare fossils in your collecting around the freshwater lake deposits.

The slugs of today either have no shells or they may have a vestigial horny plate within their body, but slubs are slugs and do not as a rule make the most interesting collector items for one wanting a hobby. Either they have a horrible smell when they are collected are are packed in the car or they exude a slimy mucus that gets all over your hands, but when you find a nice fossil of a shelled slug, you have something that is rare.

Reference

Nonmarine Mollusks from Barstow Formation of Southern California. 1954 Dwight W. Taylor, U.S. Geological Survey Professional Paper 254C

ADVERTISING SECTION

Ads are \$5.00 per inch. Send information and checks payable to MAPS to : Mrs. Gerry Norris, 2623 34th Avenue Ct., Rock Island, IL 61201. Phone: (309) 786-6505
This space is a \$5.00 size.

To extend currently running ads, please send request and remittance to Editor by the 15th of the month. We do not bill. Ads do not run in the EXPO issue (April). Ads can be printed in different sizes of type to fit a 1" space.

FELLOW FOSSIL COLLECTORS

I'm looking to Buy, Sell and Trade Fossils
with other members of MAPS

Please write or call:

John D'Orazio, 95 Hill Street, Bloomfield, NJ 07003
973-743-1930. Thank you!

**EXTRA PAGE IN FRONT—
CORRECTION TO EXPO DIGEST
TABLE OF CONTENTS**

The extra page at the front of this issue of the *Digest* is a corrected last Table of Contents page for the EXPO *Digest*. Tom Witherspoon's article was inadvertently omitted from the original table of contents. Please replace the original page with the new one.

**Please ADD the Following NEW OR REJOINING
MEMBERS to Your Directory:**

Phil & Erik Browne
42 Freedom Acres Dr.
Concord NH 03301

Science teacher

Joseph G. Emielity
10469 Larwin St. #1
Chatsworth CA 91311

MAPS's first recipient of
Eugene Richardson Award
(98).

Dennis Reida
P.O. Box 8
Chariton IA 50049-5783
515-774-5783
reida@aea15.k12.ia.us

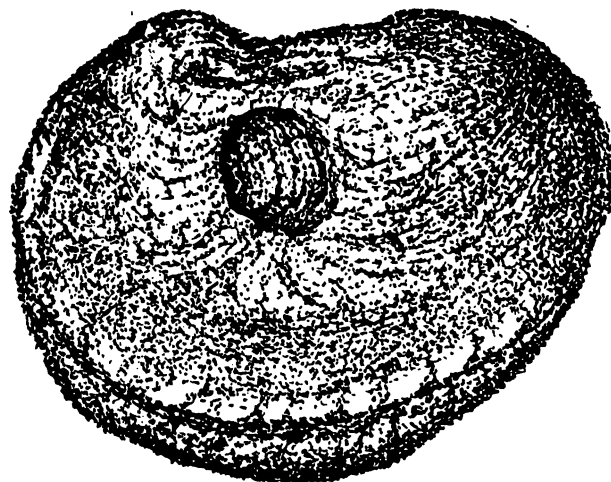
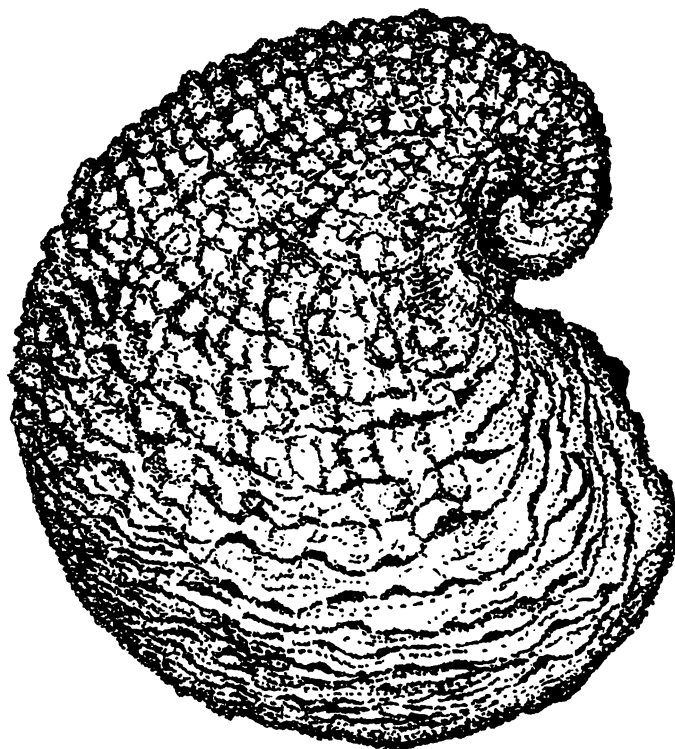
6th Grade Science Teacher.

**Please NOTE The Following
CHANGES OF ADDRESS:**

Donald Baumgartner
120 South Walnut Street
Palatine IL 60067
847-359-5767
wk: 312-886-7835
fx: 312-353-4342
Baumgartner.Donald@
EPAMail.EPA.Gov

Donald Mikulic
Joanne Kluessendorf
116 W. McHenry St.
Urbana IL 61801
217-367-5916
em: jkluesse@uiuc.edu
mikulic@isgs.uiuc.edu

John & Anna Moffitt
16803 Hartwood Way
Houston TX 77058-2287
713-984-2210



Exogyra laeviuscula
Upper Cretaceous, Temple, Texas (Life size)
Drawn by Yvonne Albi

The **M**id-**A**merica **P**aleontology **S**ociety (MAPS) was formed to promote popular interest in the subject of paleontology; to encourage the proper collecting, study, preparation, and display of fossil material; and to assist other individuals, groups, and institutions interested in the various aspects of paleontology. It is a non-profit society incorporated under the laws of the State of Iowa.

Membership in MAPS is open to anyone, anywhere who is sincerely interested in fossils and the aims of the Society.

Membership fee: One year from month of payment is \$20.00 per household. Institution or Library fee is \$25.00. Overseas fee is \$20.00 with Surface Mailing of DIGESTS OR \$30.00 with Air Mailing of DIGESTS. (Payments other than those stated will be pro-rated.)

MAPS meetings are held on the 2nd Saturday of October, November, January, and March and at EXPO in April. A picnic is held during the summer. October through March meetings are scheduled for 1 p.m. in Trowbridge Hall, University of Iowa, Iowa City, Iowa. One annual International Fossil Exposition is held in April.

MAPS official publication, MAPS DIGEST, is published 9 months of the year—October through April, May/June, July/August/September.

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